

## TABLE OF CONTENTS

### DOE BULLETIN BOARD

[What's New on the FEMP Website?](#)

[Did You Know....](#)

[Notable Quotes](#)

### CONGRESSIONAL ACTIVITIES

[Congressional Schedule](#)

[New Legislative Initiatives](#)

[Status of Pending Authorization Bills](#)

[Hearings](#)

### FEDERAL AGENCY ACTIVITIES

[Administration](#)

[Boston Region](#)

[Department of Energy](#)

[Chicago Region](#)

[Environmental Protection Agency](#)

[Denver Region](#)

[Federal Energy Regulation Commission](#)

[Philadelphia Region](#)

[Atlanta Region](#)

[Seattle Region](#)

### STATE AND LOCAL GOVERNMENT ACTIVITIES

[Atlanta Region](#)

[Denver Region](#)

[Boston Region](#)

[Philadelphia Region](#)

[Chicago Region](#)

[Seattle Region](#)

### UTILITIES AND SUPPLIER ACTIVITIES

[General Announcements](#)

[Denver Region](#)

[Atlanta Region](#)

[Philadelphia Region](#)

[Boston Region](#)

[Seattle Region](#)

[Chicago Region](#)

## ALTERNATIVE FUELS AND VEHICLES

[General Announcements](#)

[Denver Region](#)

[Atlanta Region](#)

[Philadelphia Region](#)

[Boston Region](#)

[Seattle Region](#)

[Chicago Region](#)

## ENERGY MANAGEMENT TOOLS AND TECHNOLOGIES

[Software and Technical Assistance Tools](#)

## MEETINGS, CONFERENCES AND TRAINING WORKSHOPS

[General Announcements](#)

[Denver Region](#)

[Atlanta Region](#)

[Philadelphia Region](#)

[Boston Region](#)

[Seattle Region](#)

[Chicago Region](#)

## STUDIES, REPORTS, AND ANALYSES

[Energy and Water Conservation](#)

[Utility-Related Issues](#)

[Alternative Fuels and Vehicles](#)

The FEMP Monthly Update is available on the Internet at  
[www.eren.doe.gov/femp/resources/update.html](http://www.eren.doe.gov/femp/resources/update.html)

The **FEMP MONTHLY UPDATE** is prepared expressly for the Department of Energy's Office of Federal Energy Management Programs (FEMP). The purpose of the **UPDATE** is to provide FEMP management staff with timely information on topics relevant to the program. This includes the status of pending Federal and state legislation and summaries of public and private sector energy-related activities. The **FEMP MONTHLY UPDATE** is prepared for FEMP by Energetics, Incorporated, (202) 479-2748.

## DOE BULLETIN BOARD

*Short Term Energy Outlook, Energy Information Administration (EIA), March 2002.*

According to EIA's latest report, world crude oil prices rose on average of about one dollar per barrel in February from January levels. Prices are expected to continue to increase in 2002 and 2003. Worldwide demand for oil is also on the rise. In the U.S., annual GDP growth is projected to reach four percent in 2003.

Despite relatively stable motor gasoline prices, EIA forecasts an increase in average retail prices to about \$1.33 per gallon (regular grade) within the next several months. The projected increase is attributed to boosted consumption, the typical driving season changeover to reformulated gasoline, and rising oil prices.

Regarding electric utility fuels, EIA projects that for most of its 18-month forecast period, natural gas will be more price-competitive than heavy oil. Coal prices are projected to decline though 2003 as mining becomes more efficient.

[Back to Table of Contents](#)

### **WHAT'S NEW ON THE FEMP WEBSITE?**

Both the FEMAC and DER Resources page have been updated and/or renovated. Stop by [www.eren.doe.gov/femp/aboutfemp/femac.html](http://www.eren.doe.gov/femp/aboutfemp/femac.html) and [www.eren.doe.gov/femp/techassist/der\\_resources.html](http://www.eren.doe.gov/femp/techassist/der_resources.html) to see the changes.

[Back to Table of Contents](#)

### **NOTABLE QUOTES**

"Renewable energy technologies offer the nation powerful tools for enhancing homeland security,"

NREL Director Richard Truly  
National Press Club  
February 2002

[Back to Table of Contents](#)

## CONGRESSIONAL ACTIVITIES

### **CONGRESSIONAL SCHEDULE**

Congress is on recess until April 9.

[Back to Table of Contents](#)

### **STATUS OF PENDING AUTHORIZATION BILLS OF INTEREST TO FEMP**

- Refer to the FEMP Home Page at [www.eren.doe.gov/femp/resources/initiatives.html](http://www.eren.doe.gov/femp/resources/initiatives.html). This database is updated at the beginning of each month.

**Energy Legislation** Last week, the Senate continued debate on *S. 517* on the Senate floor. During the last days in session before a two-week Congressional recess, the Senate focused the discussion on establishing a renewable portfolio standard (RPS). Various amendments were introduced to limit a Federal standard directing utilities to acquire 10 percent of electricity sold for renewable resources. However, amendments establishing limits failed to achieve Senate support. The Senate did approve language requiring retail sellers of electricity with annual sales greater than 1 million megawatts to acquire power from renewable energy sources at one percent of the sales base for 2005; rural electric cooperatives and public power companies are exempt from this provision. By 2010, the percentage would increase to 10 percent. The sales base was constructed by subtracting the amount of renewable resources acquired by retailers from all annual sales of electricity. Qualifying renewable resources include hydropower, solar, wind, geothermal, biomass, and municipal solid waste.

When Congress returns in April, the Senate will resume work on the bill focusing attention on a number of other provisions including energy efficiency, climate change, energy derivatives, and the controversial issue of drilling in the Arctic National Wildlife Refuge.

**FY 2003 Budget Resolution** The Senate Committee on the Budget passed and sent to the full Senate an FY 2003 Budget Resolution of \$768 billion for discretionary spending. The

## DID YOU KNOW?

FEMP's *Year in Review 2001* summarizes initiatives carried out under each of four main areas: Technical Assistance, Finance, Policy, and Outreach. It further illustrates the significant monetary and energy savings that were achieved in 2001 through the efforts of Federal employees. These achievements were recognized by the Presidential Awards for Leadership in Federal Energy Management, the Federal Energy and Water Management Awards, and the Federal Energy Saver Showcase designation. The full report can be ordered by calling (800) 363-3732 or visiting <http://www.eren.doe.gov/femp/ordermaterials.html#annual>

[Back to Table of Contents](#)

Democrat-controlled Senate proposes to restore funding reduced by the President's FY 2003 request for environmental programs, the National Park Service, and other domestic programs. The House FY 2003 Budget Resolution, passed on March 10.

[Back to Table of Contents](#)

## NEW LEGISLATIVE INITIATIVES OF INTEREST TO FEMP

- *No New Legislation of Interest to FEMP*

[Back to Table of Contents](#)

## HEARINGS OF INTEREST OF FEMP

*Department of the Navy and Department of the Air Force Budget Request for Military Construction and Family Housing For Fiscal Year 2003* On March 20, Chairman Jim Saxton (R/NJ) of the Subcommittee on Military Installations and Facilities (Committee on

Armed Services) presided over a hearing to discuss the President's budget request for military construction and military family housing programs for the Navy and Air Force. In his opening statement, Chairman Saxton asked that military construction become a higher priority after years of "neglecting base infrastructure." Navy Assistant Secretary H.T. Johnson, Naval Operations Chief David Pruett, Assistant Deputy Commandant Ronald S. Coleman and Naval Reserve Deputy Director Noel G. Preston presented joint testimony on this budget request. The \$9.3 billion Navy budget represents a 4.5 percent increase over the enacted FY 2002 level of \$8.9 billion and includes the following provisions:

- \$376 million for family housing construction; represents a 15 percent increase over FY 2002 funding level of \$328 million.
- Restoration and modernization projects comprise nearly three-quarters of the military construction request.
- \$259 million request for Base Realignment and Closure (BRAC); represents a 20 percent increase over the FY 2002 funding level of \$215 million.
- \$2,066 million request for Sustainment (amount of funding required for scheduled maintenance and facility component repairs over the expected service life of a facility), Restoration and Modernization (SRM) funded by Operations and Maintenance account; represents a 15 percent increase over the FY 2002 funding level of \$1.8 million.

Navy energy and utility privatization programs have been successful. The Department reduced consumption by nearly 25 percent through FY 2001, exceeding the target of 24 percent through the use of energy efficient technologies, energy awareness programs, and private sector expertise. The Department also plans to expand the use of geothermal energy production at Naval Air Warfare Center China Lake, California, and the Naval Air Station in Fallon, Nevada; the Navy will continue efforts to privatize 704 natural gas, water, wastewater and electrical utility systems worldwide by FY 2005.

Air Force Assistant Secretary Nelson F. Gibbs, Air Force Civil Engineer Earnest O. Robbins II, Air National Guard Deputy Director David A. Brubaker, and Chief Deputy of the Air Force Reserve Robert

E. Duignan presented the FY 2003 Air Force budget request, which includes the following provisions for military construction and military family housing:

- \$4.2 billion to invest in Air Force facilities and infrastructure, which includes \$2.3 billion for total force military construction and military family housing, \$644 million for active force military construction, \$1.5 billion for military family housing, \$54 million for Air National Guard military construction, and \$32 million for Air Force Reserve military construction.
- Increased request for operations & maintenance Sustainment, Restoration, and Modernization (SRM) funding by \$360 million over the FY 2002 request.
- \$844 million request for military family housing operations and maintenance program.
- \$677 million request for military family housing replacement and improvement program.

Utility privatization programs on Air Force bases have proven successful, as the Department has identified 434 of 513 systems as potential privatization candidates, and has released requests for proposals for 242 systems. The Department has completed privatization of 161 systems.

- See [Attachment A](#) – Hearings of Interest to FEMP

[Back to Table of Contents](#)

## **FEDERAL AGENCY** **ACTIVITIES**

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### **ADMINISTRATION**

**On March 21, President Bush issued a new executive order (order number pending), “Establishing the President’s Homeland Security Advisory Council and Senior Advisory Committees for Homeland Security.”**

The President’s Homeland Security Advisory Council (PHSAC) will include 21 members appointed by the President and will be drawn from several existing Federal advisory committees, Federally funded research and development centers, academia, state and local governments, the private sector, nongovernmental and professional service organizations, and other appropriate professions and communities. The council shall provide advice to the President, through the Assistant to the President for Homeland Security, on developing and coordinating implementation of a comprehensive national strategy to secure the U.S. from terrorist threats or attacks. Advice will include measures to improve coordination, cooperation and communication among Federal, state, and local government officials and private entities, and provide a means to collect scholarly research, technological advice, and information concerning processes and organizational management practices both inside and outside the Federal Government. The PHSAC will initially include four Senior Advisory Committees; each committee will have 17 members and include:

- State and Local Officials Advisory Committee
- Academia and Policy Research Advisory Committee
- Private Sector Advisory Committee
- Emergency Services, Law Enforcement, and Public Health and Hospitals Advisory Committee.

## DEPARTMENT OF ENERGY

**The winners of this year's EnergyValue Housing Awards (EVHA) were announced March 25<sup>th</sup> at the National Green Building Conference in Seattle, Washington.** Awards were presented to 15 builders from across the country for their efforts in voluntarily integrating energy- and resource-efficient features into the design, construction, and marketing of homes. Features integrated into new homes by this year's winners include high efficiency, low-e, gas-filled windows; tubular skylights; solar water heating; geothermal heat pumps; and insulated basement walls. **The Department of Energy's National Renewable Energy Laboratory, the National Association of Home Builders Research Center, and Professional Builder Magazine co-sponsor the EnergyValue Housing Awards program.**

## ENVIRONMENTAL PROTECTION AGENCY

**On March 21, the Environmental Protection Agency recognized the 729 top energy-performing buildings in America with the EPA's ENERGYSTAR® label.** "Americans across the country can now work, shop, and go to school in buildings that are stars in energy performance. By making a commitment to superior energy performance, owners and managers are making these buildings a testament to improving our environment and their bottom line," said EPA Administrator Christine Whitman. The ENERGYSTAR® awards were presented to large commercial institutions, healthcare facilities, supermarkets, schools and government facilities in 40 states. The buildings saved \$134 million in energy costs since 1999 and released 1.9 billion fewer pounds of carbon dioxide into the air. (Source: *Environment News Service*, March 22, 2002)

## FEDERAL ENERGY REGULATORY COMMISSION

Recently, the States of Florida, New York, Idaho, New Jersey, North Carolina, Virginia, Washington, Vermont, and Wyoming filed a lawsuit claiming that a 1996 Federal Energy Regulatory Commission (FERC) order usurped state authority to regulate retail electricity prices. The order supports independent energy producers and marketers entering the market by requiring companies to open their transmission lines to wholesale competitors. **The U.S. Supreme Court recently ruled in favor of the FERC order.**

To gather information for this investigation on whether energy sellers manipulated short-term energy prices in electric energy or natural gas markets in the West since January 1, 2000, **FERC is requiring that all jurisdictional sellers and all non-jurisdictional sellers with wholesale sales in the Western Systems Coordinating Council's region submit transaction information in spreadsheet format.** The three spreadsheets in Excel format include: Short-Term Firm and Non-Firm Wholesale Sales Transactions, Monthly Firm and Non-Firm Wholesale Sales Transactions, and Long-Term Capacity and Energy Sales; the spreadsheets are available on the FERC website at [www.ferc.gov/electric/bulkpower/pa02-2/pa02-2.htm](http://www.ferc.gov/electric/bulkpower/pa02-2/pa02-2.htm).

In order to reduce transaction costs, improve reliability and service, and increase investor confidence, FERC will adjust tariffs charged by public utilities for open access to the transmission grid in order to achieve a standard market design. The plan will incorporate locational marginal pricing in order to manage grid congestion and expand customer choices. The new arrangement is intended to provide the commissioners authority over all wholesale transmission services. (Sources: *Orlando Sentinel*, March 7, 2002, *Greenwire*, March 14, 2002). For more information and a list of the winners, go to [www.nrel.gov](http://www.nrel.gov).

**The Department of Energy recently published guidelines to help K-12 schools save money on their annual energy costs.** The first set of published guidelines is intended for schools in hot, dry climates;

additional sets of guidelines for other climate zones will be available by the summer. Included in the guidelines are case studies illustrating energy efficient practices in use, as well as recommendations on such topics as site design, windows and daylighting; energy efficient building shells; lighting and electrical systems; mechanical and ventilation systems; and water conservation. The design guidelines grew out of meetings DOE's Rebuild America program held over the past two years with school administrators, architects, teachers, and developers. The published guidelines are available at [www.eren.doe.gov/energysmartschools/](http://www.eren.doe.gov/energysmartschools/). (Source: *Green Building News*, February 2002)

**The U.S. Department of Energy announced on March 15 that five energy service companies had been selected to use performance-based contracts to reduce energy use and promote renewable energy at Federal facilities by employing biomass and alternative methane energy sources.** The total value of these contracts is estimated to be up to \$200 million; energy cost savings is expected to be even greater. "The contracts the Department of Energy is awarding today encourage innovative, biobased energy technologies to reduce federal energy consumption, without cost to the American taxpayers," said Secretary of Energy Spencer Abraham. The companies selected for the contracts are: Constellation Energy Source (Baltimore, MD), DTE Biomass Energy Inc. (Ann Arbor, MI), Energy Systems Group (Evansville, IN), Systems Engineering and Management Corporation (Knoxville, TN), and Trigen Development Corporation (Baltimore, MD). For more information, go to [www.eren.doe.gov/femp/financing/espc/biomass.html](http://www.eren.doe.gov/femp/financing/espc/biomass.html).

[Back to Table of Contents](#)

## ATLANTA REGION

### Utility/DSM Activities

**The Air Forces' Air Education and Training Command at Tyndall Air Force Base in Florida** has awarded a \$2.392 million contract for utility rate expert services to Exeter Associates of Silver Spring, Maryland. Contact D. Hooks at 850-283-8638 and refer to Contract Number F08637-02-D-6698.

[Back to Table of Contents](#)

## BOSTON REGION

*No news of interest to FEMP.*

[Back to Table of Contents](#)

## CHICAGO REGION

*No news of interest to FEMP.*

[Back to Table of Contents](#)

## DENVER REGION

### Utility/DSM Activities

**The Army's Robert Morris Acquisition Center, White Sands, New Mexico**, has announced plans to award two follow-on contracts to provide electrical power and maintenance service of government power lines. For more information, contact Michael Derr at 505-678-2827 and refer to Solicitation Number DATM05-02-C-0031 for the award to Otero County Electric Cooperative and Solicitation Number DATm05-02-C-0027 to Socorro Electric Cooperative.



[Back to Table of Contents](#)

## PHILADELPHIA REGION

*No news of interest to FEMP.*

[Back to Table of Contents](#)

## SEATTLE REGION

### Utility/DSM Activities

**The Federal Bureau of Prisons plans to construct a new penitentiary and Federal prison camp in Tucson, Arizona.** The agency is seeking a supplier of natural gas for the facilities, which will become operational in April 2005. The site will include inmate housing, administrative structures, staff training facilities, a central utility plant, warehouses, and other buildings. For more information on Solicitation Number X00-0460, contact Tracey Boyd-Vega at 202-616-9727.

**Fort Huachuca in Arizona, recently awarded a \$7.762 million contract to Tucson Electric Power for utility services.** For more information, call 520-533-2815 and refer to Contract Number DAEA 18-70-D-0050.

[Back to Table of Contents](#)

## STATE AND LOCAL GOVERNMENT ACTIVITIES

### ATLANTA REGION

#### ► ***Status of Utility-Related Activities***

In response to over a dozen bills drafted by Georgia legislators concerning gas deregulation, **Governor Roy Barnes (D) will release a plan that will include a provision to establish a provider of last resort** for customers unable to pay their gas bill and a provision that would allow non-profit electric membership corporations to become energy marketers. (Source: *LCG Consulting*, February 20, 2002)

**Meeting for the first time in a year to discuss the status of electric deregulation, the Study Commission on the Future of Electric Service in North Carolina conceded that, due to the California energy crisis and the repercussions of Enron's collapse, the commission will mostly likely recommend that the legislature delay the start of deregulation beyond 2006.** Senator David Hoyle (D) commented that "until we see absolute solid proof that there are adequate [power] supplies and that competition is a good thing, this commission will continue to tread water." The commission will launch a study to investigate the effects of deregulation in Texas and Virginia. (Source: *The News and Observer*, February 28, 2002)

**Kentucky legislators have approved a bill that would limit where power plants could be built in the state.** The bill would prevent power plants from being built within 3,000 feet of a neighborhood, school, nursing home, or hospital. A seven-member siting panel would review potential economic and environmental repercussions of new power plants. (Source: *Greenwire*, February 15, 2002)

[Back to Table of Contents](#)



## BOSTON REGION

### ► **General State Activities**

**New York Governor George Pataki (R) released a 2003 budget that includes several energy efficient tax measures.** One such provision is the Alternative Energy Fuel Cell Credit, which offers a 20 percent credit toward the cost of purchasing and installing a residential fuel cell. (Source: *Center for a Sustainable Economy*, February 6, 2002)

**Through its Commercial/Industrial Performance Program and SmartK programs, the New York State Energy Research and Development Authority has offered the Oswego City School District over \$133,000 for lighting and motor upgrades.** Siemens Building Technologies will be responsible for the installations. The school district also received over \$44,000 for a comprehensive audit of school district facilities and additional funding to install a web-enabled advanced monitoring system (WEAM). The WEAM system will profile, bill, and conduct a rate analysis of energy use. (Source: *Schools Going Solar Newsletter*, January 2002)

**On March 18, the New York State Energy Research and Development Authority announced a grant for \$170,000 to NOCO Energy Corporation of Tonawanda, New York, to examine new uses of biodiesel for home heating.** The money will fund a NOCO project to identify fuels created from cooking oils, soaps, and other consumer items that can be blended with home heating oils to create an environmentally friendly and affordable alternative to diesel. (Source: *EarthVision Environmental News*, March 19, 2002)

### ► **Status of Utility-Related Activities**

**The Mass Energy Consumers Alliance received a \$35,000 grant to examine how to incorporate “location-based pricing” (LBP) in NSTAR’s service territory.** An LBP system is a tiered-rate system wherein customers in highly congested areas pay more to receive their electricity because of the higher distribution cost. NSTAR plans to contribute \$20,000 in employee time to the first phase of the project. (Source: *Schools Going Solar Newsletter*, January 2002)

In a move to stimulate energy market competition in the state, **the Massachusetts Department of Telecommunications and Energy has issued an order that will allow utilities to distribute customer names, addresses, and other personal energy consumption information to alternative energy suppliers.** For more information see [www.ago.state.ma.us](http://www.ago.state.ma.us).

The energy research firm Energy Security Analysis Inc. released a report indicating that, as a result of a decline in planned power plant construction, **consumers in the Northeast could face an extra \$1 billion per year in power costs after 2006.** Researchers say that “only 19 percent of expected plant construction by 2006 will actually occur, leaving New England, New York, and the Pennsylvania-New Jersey-Maryland (PJM) interconnection well short of projected demand.” The downturn in plant construction is attributed to the demise of Enron and the current recessionary cutbacks. The lack of supply will also hinder the development of a regional transmission organization in PJM, New York, and New England. Environmentalists fear that the cutbacks could diminish air quality control because lack of new power plants would force companies to switch on older, coal-fired plants in periods of high demand. (Source: *Greenwire*, February 15, 2002)

**The Town of Westport, Connecticut, has entered into a contract with the Connecticut Energy Cooperative to buy green power derived from landfill gas, hydropower, and wind energy in the form of an “EcoWatt.”** The EcoWatt is Green-e certified. (Source: *Green Power Marketing Monthly Update*, January 2002)

**The PJM Interconnection and New York Independent System Operator (NYISO) have developed a partnership that may act as an alternative to establishing a Northeast Regional Transmission**

**Organization.** The Interregional Coordination and Issues Resolution Agreement signed on March 15 and effective in the summer of 2002, provides a means for the two organizations to identify market inefficiencies and create solutions for control room scheduling, hourly transaction protocols, and varying standards for installed capacity. The agreement also spells out a process for seeking arbitration assistance from FERC in a conflict between the two groups. (Source: *Restructuring Today*, March 14 and *Megawatt Daily*, March 15)

[Back to Table of Contents](#)

## CHICAGO REGION

### ► **General State Activities**

**On March 7, Michigan's Five Star Home Grant program awarded grants of up to \$8,000 to five Michigan builders to further the construction of energy efficient houses.** Builders competed for the grants by outlining their energy efficiency tactics, marketing plans, and energy-saving innovations. "The Five Star Home Grant program is an incentive for Michigan builders to utilize the latest technology to reduce energy costs and pollution. As a condition of receiving the grants, the builders will be promoting these homes and showcasing the advantages of an energy-efficient home," said Governor John Engler (R). Some of the features of the houses include thermal passive solar designs, hydronic in-floor heating, doors made of recycled woods, and energy-efficient appliances. (Source: *PR Newswire*, March 7, 2002)

### ► **Status of Utility-Related Activities**

**The Michigan Retailers Association (MRA) is sponsoring an Electric Choice program that will allow businesses to save 10 to 30 percent on their monthly electric bills by switching from Detroit Edison or Consumers Energy to Qwest Energy, an alternative supplier in the state's deregulated electric market.** Customers can lock in to a low rate on a three-year contract. The switchover takes approximately six to eight weeks. Qwest is able to offer a nine-cent rate because the company incorporates off-peak energy usage to help maximize customer savings. For more information on the MRA Electric choice program, call Robin Gregory at (800) 366-3699.

**The City of Chicago, ComEd, and the Illinois Department of Commerce and Community Affairs have provided funding to mount photovoltaic installations on the roofs of six Chicago public buildings, including two public schools.** Spire Corporation installed the PV systems, which will reduce the school's energy costs and serve as a renewable energy educational tool. President and CEO of the Spire Corporation Roger Little said "We are very pleased with the partnership's progress in bringing green power to Chicago, a city that is demonstrating solar power's reliability and cost-effectiveness to the rest of the nation. To date, we have installed solar electric systems on Chicago museums, schools and buildings totaling over 400 peak kilowatts of solar generation capacity, representing one of the nation's largest concentrations of photovoltaics." (Source: *Schools Going Solar Newsletter*, January 2002).

**A fully competitive electric market in Illinois has struggled to develop since the advent of deregulation in 1997.** The lack of alternative supplier options and the low rates offered by local utility Central Illinois Light Company have left most consumers hesitant to switch their electric supplier. While all Illinois residents will have the option to choose their electricity provider on May 1, 2002, experts believe that consumers may not change their provider. Utility rates are capped until 2005. (Source: *Journal Star*, March 19, 2002)

[Back to Table of Contents](#)

## DENVER REGION

### ► **General State Activities**

**Two bills are moving through the South Dakota legislature that would provide incentives for renewable power production.** *SB 167* would provide tax incentives for wind-based power-production facilities. *SB 2* would fully exempt power generating facilities using renewable resources from the tax. (Source: *Center for a Sustainable Economy*, February 6, 2002)

### ► **Status of Utility-Related Activities**

**The Utah legislature plans to debate a bill that would incorporate net metering in the state's energy plan.** Currently Utah is the only state in the West other than Colorado that does not require utilities to offer a net metering program. The bill has garnered the support of environmental groups and Utah Power. Utah Power's parent company, PacifiCorp, also supports the net metering provision. (Source: *Schools Going Solar Newsletter*, January 2002)

**The Texas Public Utility Commission has created a website that provides electric customers with essential information relating to the state's recent switch to deregulation.** The site includes a list of supplier product prices, contract terms and conditions, and the energy sources used to generate the electricity. Also included on the site is information on how to shop for a retail electric supplier, customer rights, safety and reliability, billing changes, and other energy-related services. Visit the website at [www.powertochoose.org](http://www.powertochoose.org).

**Texas government officials claim that electric prices have dropped since the start of deregulation on January 1.** Electric customers complain that the switch from one electric provider to another takes too long to complete – some companies complete it in 30 days, while others take over 45 days. Although 97 percent of Houston-area residents have remained with incumbent utility Reliant, the company expects one percent to leave each month. Terry Hadley, a Public Utilities Commission representative, said that the switchover process is being monitored by the commission, which sees “continued improvement.” He also said that “We'll feel a lot more comfortable as customers get their first bills over the next month.” As part of a customer education campaign that will ramp up over the next few months, the Texas state legislature has appropriated \$12 million in funding. (Source: *Reuters*, February 15, 2002)

**The University of Science and Arts of Oklahoma has entered into a \$3.4 million performance contract with CMS Viron to replace the university's chilled water plant and install a new boiler, energy management system, water conservation retrofits, and energy efficient lighting.** The performance contract will reduce the university's utility costs by 31 percent. The energy cost will drop from \$1.96 per square foot to \$1.35 per square foot. Oklahoma University of Science and Arts President John Feaver said of the contract “It's remarkable. This agreement is unique for Oklahoma colleges and is a significant milestone for education in Oklahoma.” For more information, visit Viron's website at [www.viron.com](http://www.viron.com).

In the State of Wyoming's next legislative session, **House Minority Floor Leader Chris Boswell (D) will propose an omnibus tax bill that will include a 0.5 mill-per-kilowatt hour tax on electricity produced in the state.** (Source: *Center for a Sustainable Economy*, January 31, 2002)

[Back to Table of Contents](#)

## PHILADELPHIA REGION

### ► **General State Activities**

**The Pennsylvania Department of Environmental Protection recently purchased two fuel cell systems that will power air quality sampling equipment, wireless communications equipment, and a**

**data logger.** The DCH Enable remote power system purchased by the agency will operate through a range of temperatures and is able to operate unattended for several days or weeks in a wide range of temperature and humidity levels. According to DCH President and CEO John Donohue, the company is “positioned to lead in the portable, remote power market, which will be one of the first emerging niches for fuel cells.” For more information on the fuel cell, visit [www.dcht.com](http://www.dcht.com).

**BP Amoco allocated funding toward a Maryland state government program that provides financial assistance for schools buying photovoltaic systems.** BP Amoco contributed a large sum to the Solar Schools Foundation, an organization that assists in the installation of the systems. Under the program, the state will provide 90 percent of the cost of the system, while the school is responsible for finding the remaining ten percent, in addition to the associated engineering and architectural fees. For more information, contact Chris Cook at E3Energy, [E3Energy@aol.com](mailto:E3Energy@aol.com).

### ► **Status of Utility-Related Activities**

**Touting Pennsylvania’s success with electric deregulation, Public Utility Commissioner Glen Thomas forecasts lower prices and increased customer choice in the state energy market for the rest of the year.** He claims that success is due to the introduction of wind and solar power energy generation and reduced costs to the consumer as a result of electric deregulation. While competition is prevalent throughout the state, electric providers for some utilities are not able to offer rates lower than the PUC-capped rates. (Source: *Allentown Morning Call*, March 11, 2002)

**Legislators in Maryland have introduced two companion bills in the House and Senate that will establish a committee to observe the state's electric restructuring process.** *SB 894* and *HB 1440* would create a Joint Oversight Committee on Electric Customer Choice and Competition to assess the status of electric customer choice and competition and determine whether legislative changes must be made to guarantee a properly functioning restructured electric market. The committee, comprised of representatives from investor-owned and municipal electric utilities, cooperatives, legislators, and other public agency officials, would submit an annual report to the Governor and the General Assembly. (Source: *Baltimore Sun*, March 6, 2002, and *Restructuring Today*, March 13, 2002)

**Virginia’s turn to deregulation on January 1, 2002, has not attracted many competitors into the electric market.** Experts claim that the low cost of electricity offered by the state’s utilities does not attract competitors. Neither AEP Virginia nor Allegheny Energy has been challenged by new competitors. Pepco has also dropped its solicitation for green power because of its limited supply, but the utility claims that it will revisit selling green power when it can purchase blocks at the “right price.” As a result, Dominion Virginia can no longer offer alternative power to its customers. (Source: *Electric Power Daily*, February 12, 2002; *Richmond Times*, February 13, 2002)

**Maryland legislators will introduce a bill that to create an oversight committee to monitor the state’s deregulated energy market.** The plan calls for a panel comprised of government officials, industry, and consumer advocates to annually evaluate competition and suggest changes if necessary. (Source: *Baltimore Sun*, March 6, 2002)

**In Rhode Island, Representatives John Harwood (D-Pawtucket) and Rep. Brian Kennedy (D-Hopkinton) submitted an amendment to the *Utilities Restructuring Act of 1996* to stimulate competition and lower electricity prices.** To address the fact that very few customers have left the incumbent utility since inception of the law, the amendment would allow municipalities to purchase electricity from competing suppliers on behalf of their residents and the local utility to distribute electricity to the customers. Residents could choose to opt out of the plan and stay with their local utilities. The provision would reduce alternative suppliers’ marketing costs by aggregating the customers, which in turn increases their ability to compete with utilities. The bill would also provide electricity customers with a portfolio of rate options. Options include the following:

- Plan A: Utilities with over 100,000 customers must offer electricity generated from renewable resources. Residents may pay a premium for “clean electricity.”
- Plan B: Time-of-use plan allows residents to pay for the cost of electricity based on peak versus off-peak usage.

The amendment also requires that the Public Utilities Commission contend with the expensive backup rate that large customers with co-generation plants pay to sustain their grid connection. (Source: *Providence Journal*, February 27 and 28, 2002)

[Back to Table of Contents](#)

## SEATTLE REGION

### ► **General State Activities**

**Last month, the California Energy Commission (CEC) approved stringent new energy efficiency standards for air conditioners, commercial washing machines, and other appliances.** Within a year the new rules are expected to cut demand by 134 megawatts during times of peak demand. The new rules would be phased in by March 2003. The new air conditioner regulations would boost energy efficiency 30 percent over the current standard, and more efficient commercial clothes washers would save 7.5 billion gallons of water a year. Though the new rules will result in higher prices for new appliances, the savings on consumers’ electric bills will more than make up for those higher costs according to the CEC. Energy analysts predict California’s new appliance standards will likely spread to other states as well. (Source: Leonard Anderson, Reuters, March 7, 2002)

**The Hawaii House of Representatives recently passed *H.B. 2836*, which will extend until 2008 the alternative energy tax credit for the cost of purchasing and installing an alternative energy device.** The current rate is 35 percent. After receiving a recommendation from the House Energy Efficiency Policy Task Force that the tax breaks apply only to the purchase and installation of devices that use renewable energy, tax credits after 2003 may no longer be available for ice storage systems, heat pumps, or combined heat and power devices. (Tax Analysts, *State Tax Notes*, March 11, 2002, p. 803)

### ► **Status of Utility-Related Activities**

**The City of San Francisco may begin selling electricity to its residents.** While the plan submitted by public power expert Edward Smeloff requires closing down Pacific Gas & Electric’s (PG&E) Hunters Point plant, PG&E spokesperson John Nelson considers the plan a “positive step forward.” The city would construct city-owned power plants to generate electricity, but PG&E would still be responsible for distribution. The state assembly and voters must approve of the plan before it will go into effect. (Source: *Greenwire*, March 15, 2002).

**The California Public Utility Commission (PUC) voted on March 21 to retroactively make September 20, 2001, the last day on which Californians could choose their own power provider.** Customers who signed their own power deals during the July 1- September 20 period will be charged an “exit fee” which will cover the \$2 billion cost for emergency power purchases made last year by the State of California to bail out utilities after they ran out of money buying electricity during the peak of the energy crisis. (Source: *Reuters*, March 21, 2002)

**California Governor Gray Davis (D) expressed his support for a bill that would require utilities Pacific Gas & Electric, Southern California Edison, and San Diego Gas & Electric to incorporate 20 percent renewable fuels into their generation mix by the year 2010.** The requirement would not apply to municipal utilities. Arizona, Connecticut, Iowa, Maine, Massachusetts, Minnesota, Nevada, New Jersey, New Mexico, Pennsylvania, Texas, and Wisconsin already have renewable portfolio standard laws. (Source: *Greenwire*, March 19, 2002)



**On March 1, 2002, Portland General Electric (PGE) and PacifiCorp customers were enlisted in Oregon's restructured electric market.** While large businesses and small nonresidential consumers continue service with their current utility or certified Electricity Service Supplier, residential and small business consumers may choose cost-of-service rates or portfolio rate options. Customers may also receive the benefits of a three-percent public purpose charge that will fund renewable energy projects and energy conservation initiatives. To commemorate the first day of electric restructuring and the ability of PGE and Pacific Power customers to purchase 100 percent renewable energy, Governor John Kitzhaber (D) declared March 1 "Renewable Energy Day." (Source: *PR Newswire*, March 1, 2002; *State of Oregon Public Utilities Commission Website*, March 1, 2002)

**The Anaheim (California) Public Utilities Department purchased the SmartMeter system to enable the utility to remotely acquire electric metering data from industrial and commercial customers.** The system allows two-way, real-time delivery of usage data, reliability, and power quality information. Other features include an automatic notification system of power outages. For more information on the SmartMeter, visit [www.smartsynch.com](http://www.smartsynch.com).

**The Emerald Peoples Utility District in Eugene, Oregon, recently purchased an IdaTech fuel cell, which provided electricity for 14 hours when power was knocked out to tens of thousands of customers in early February.** Mark Fleiner of IdaTech commented "this clearly demonstrates an early promise of fuel cells: clean, quiet, dependable back-up power without the disadvantages of traditional gensets." For more information on IdaTech fuel cells, visit [www.idatech.com](http://www.idatech.com).

[Back to Table of Contents](#)

## **UTILITIES AND SUPPLIER ACTIVITIES**

### **GENERAL ANNOUNCEMENTS**

**Five retail electric providers have formed the Alliance for Retail Choice to advocate the continued development of retail energy choice programs and markets.** Strategic Energy; SmartEnergy, Inc.; New Power Company; Green Mountain Energy Company; and AES NewEnergy will work together as a group to represent their interests to Federal and state public policy makers. The group supports pricing options that respond to customer needs, cleaner and renewable energy choices, advanced metering and data analysis, transitional retail energy markets with a provider of last resort, uniform retail and wholesale business rules, and strong affiliate rules and codes of conduct. (Source: *PR Newswire*, April 6, 2002)

**Energy Co-Opportunity, Inc., an association of 300 rural electric cooperatives, is partnering with H Power Corporation, a fuel cell developer, to launch EPAC 500, a new fuel cell-based power source.** The new fuel cell was recently unveiled at the Third Annual Touchstone Energy New and Emerging Technologies Conference and Expo in Tucson, Arizona. The fuel cell is designed to provide power as a stand-alone power source or during grid failure. For more information on the EPAC-500, visit H Power's website at [www.hpower.com](http://www.hpower.com).

[Back to Table of Contents](#)

### **ATLANTA REGION**

#### **► Public Benefits Programs**

**The Tennessee Valley Authority (TVA) has expanded membership of the Green Power Switch program to include seven more distributors in Tennessee:** Bristol Tennessee Electric System, Johnson City Power Board, Lenoir City Utilities Board, Erwin Utilities, Morristown Power Systems, Mountain Electric Cooperative, and Appalachian Electric Cooperative. Member utilities receive power from a 4.0-

MW landfill methane project, 250 kW of photovoltaics projects, and three 660-kW wind turbines. An additional 20 MW of wind power will be accessible by October 2003. (Source: [www.tva.gov/greenpowerswitch/newsletter/vol2\\_1/index.htm](http://www.tva.gov/greenpowerswitch/newsletter/vol2_1/index.htm))

[Back to Table of Contents](#)

## BOSTON REGION

### ► **Public Benefits Programs**

**Hoping to increase green power procurement in New England, the Massachusetts Energy Consumers Alliance (Mass Energy) is assessing ways to pool consumer demand for green power.** Local city and community member organizations are joining the endeavor. Currently, Mass Energy co-op members can purchase green power from solar and landfill gas facilities located in New England in the form of 2,000-kWh annual blocks of Sun Power Electric's "ReGen" product at \$6 per month. For more information, see [www.massenergy.com/ReGen.html](http://www.massenergy.com/ReGen.html)

[Back to Table of Contents](#)

## CHICAGO REGION

### ► **Restructuring Activities**

**Alliant Energy Corporation has extended until April 2 a deadline to respond to its request for proposals for renewable power for the Iowa utility Interstate Power and Light.** The company hopes to add 150,000 megawatt hours of renewable power generation by the end of 2003. (Source: Reuters, February 20, 2002)

[Back to Table of Contents](#)

## DENVER REGION

### ► **General Announcements**

**During the Olympic Games in Salt Lake City, Aggreko LLC provided temporary power solutions for mission critical functions like security, broadcasting, results operations, and information technology.** Aggreko airlifted its advanced portable electrical distribution generators to support the Olympic Village. According to Aggreko, the fleet's generators are "the only completely Underwriter Laboratory-listed portable all weather electrical distribution equipment of its kind in the nation." Operations staff is currently dismantling the equipment in Salt Lake City and will transport it directly to the 2002 World Cup Games in Japan. (Source: *Business Wire*, February 4, 2002)

### ► **Restructuring Activities**

XENERGY's Thirteenth Executive forum hosted Texas energy officials and suppliers to discuss the status of Texas' deregulation plan. **Since deregulation began earlier this year, more than 50 percent of the electricity purchased by large customers in Texas has come from competitive suppliers rather than the local utility.** Brett Perlman, Commissioner of the Texas Public Utility Commission, believes that by the end of 2002, at least 750,000 Texans will have switched electric suppliers. Already, customers are reporting that switching suppliers has saved them up to 12 percent on their utility bill. This summer, a heightened consumer education program will most likely lure more customers. Thomas Noel, CEO for the Electric Reliability Council (ERCOT), said that Enron's collapse will not significantly affect the ERCOT market. (Source: *PR Newswire*, February 28, 2002)



**Sharyland Utilities of McAllen, Texas, has added MeterSmart, a service that will allow customers to access and view energy usage over the Internet.** Both industrial and residential customers have access to the service, and the information will allow customers to change their energy usage or patterns. Mark Caskey of Sharyland Utilities noted "Ultimately, this type of service will allow customers to take advantage of innovative electricity pricing structures that are offered by competitive electric providers in the state." In the future, MeterSmart will offer customers more fee-based services including email reports on energy usage on a daily, weekly, or monthly basis, energy alarm service that notifies a consumer when they have exceeded a maximum energy target, and meters that monitor individual appliances. (Source: *PR Newswire*, February 13, 2002)

**El Paso Electric Company recently filed a request with the New Mexico Public Regulation Commission to reduce its monthly fuel factor.** The change would reduce the average monthly residential bill from \$59.47 to \$53.97 and would go into effect after March 1. By April the utility plans to file for a fuel factor decrease in Texas. (Source: *PR Newswire*, February 12, 2002)

#### ► **Public Benefits Programs**

**Two new green power marketing products are available for sale nation-wide from Colorado green power marketer Renewable Choice Energy (RCE).** "American Wind" is a 100 percent new wind energy option that is supplied largely from wind resources farmed in Texas and sells for 2.5 cents/kWh. "EcoChoice" is a mix of 90 percent existing renewables and 10 percent new wind resources which sells for 1.8 cents/kWh. Tradable renewable energy credits that verify the source of the energy are issued to customers. For more information see [www.eren.doe.gov/greenpower/0202\\_rce.shtml](http://www.eren.doe.gov/greenpower/0202_rce.shtml)

[Back to Table of Contents](#)

### PHILADELPHIA REGION

#### ► **Public Benefits Programs**

**Beginning July 2002, Pepco Energy Services will provide Maryland energy customers with electricity produced from renewable power.** The plan carries out a March 2001 executive order that requires in-state facilities to procure at least six percent of their electricity from green energy sources. (Source: *Green Power Marketing Monthly Update*, January 2002)

[Back to Table of Contents](#)

### SEATTLE REGION

#### ► **Restructuring Activities**

**The California-ISO has required that all generators supplying power within the state must install a Data Processing Gateway (DPG) device that will collect and transmit real time generation data to the California-ISO.** This process will enable the California-ISO to "better coordinate the dispatch of energy within the state" according to Wes Moody, CEO of the DPG manufacturer. He also notes that "This represents a significant improvement in power system operational efficiency... [other] DPG product[s] ha[ve] already been installed and certified at a number of plants in Southern California and [are] performing well." For further information on the DPG product, contact Fred Young at (626) 255-7181.

#### ► **Public Benefits Programs**

**The City of Los Angeles Community Development Department, the Los Angeles Department of Water and Power, and the Southern California Gas Company held an educational seminar to address needy families on available energy assistance programs in California.** Programs such as the

Gas Assistance Fund, California Alternate Rates for Energy (CARE), and Direct Assistance Program would allow eligible customers to receive \$100 toward their gas bill. Southern California Gas Company Representative Anne Smith said that lower natural gas prices nationwide and an increase in storage levels will cause gas prices to drop this season. For more information on assistance programs, visit [www.socalgas.com](http://www.socalgas.com).

**WorldWater Corporation has unveiled its AquaMax™ technology, a hybrid solar irrigation pumping system that will either work independently or with existing grid electricity.** The company introduced the technology at the World Ag Expo in California in mid-February, hoping to market businesses in California because of the state's high energy costs and the potential to reduce demand on the grid. The hybrid nature of the product allows consistent water flow for municipal water supply, regardless of weather conditions. Developers claim the system could "supply over 50 percent of many farmers or ranchers' annual needs by solar alone." (Source: *PR Newswire*, February 5, 2002)

[Back to Table of Contents](#)

## **ALTERNATIVE FUELS AND VEHICLES**

### **GENERAL ANNOUNCEMENTS**

**The National Highway Traffic Safety Administration has issued a notice of proposed rule making to extend up to four additional years the current Automotive Fuel Economy Manufacturing Incentive program for alternative fuel vehicles.** The program provides manufacturers with a higher fuel economy value for vehicles operating on alternative fuels under the Corporate Average Fuel Economy (CAFE) standards program. The current program provides a maximum increase of 1.2 miles per gallon in CAFE standards for alternative fuel vehicles for Model Years 1993 – 2004; the proposed rulemaking would extend the incentive program through 2008, providing a maximum increase of .9 miles per gallon in Model Years 2005 – 2008 for alternative fuel vehicles. To review the proposed rulemaking, refer to the March 11, 2002, announcement in the *Federal Register* (page 10873).

**The Department of Energy's Alternative Fuels Data Center has redesigned the Alternative Fuel Station map at [www.afdc.doe.gov/refueling\\_mapsite.shtml](http://www.afdc.doe.gov/refueling_mapsite.shtml).** Within the continental United States the map shows all refueling stations for Compressed Natural Gas (CNG), 85 percent Ethanol (E85), Liquefied Petroleum Gas/propane (LPG), BioDiesel, Electric, and Liquefied Natural Gas (LNG). Users may now enter queries, look on text lists, graphic lists, determine driving routes, and obtain station details such as hours and type of fuel. (Source: *EREN News*, March 20, 2002)

**The Environmental Protection Agency and the Department of Transportation have launched a web site informing employers of commuting choices that are better for the environment as part of the Commuter Choice Leadership Initiative.** The goal of this business-government collaboration is to minimize air pollution and global warming resulting from vehicle use by reducing the traffic of 15 million cars. More than 200 employers have agreed to meet the National Standard of Excellence for employer provided commuter benefits, and are qualified to be Commuter Choice Employers. (Source: *Environmental News Service*, March 1, 2002)

**J.D. Power Associates released the results of a 5,600 person survey in which 60 percent of new car buyers said they would buy and pay up to \$1,000 extra for a more fuel efficient and environmentally friendly car.** Most new car buyers were unwilling to pay more than \$1,000 over the conventional model. A third of those surveyed said they would purchase a hybrid even if the fuel savings would not exceed the additional cost. (Source: *Greenwire*, March 6, 2002; *Chicago Tribune*, March 6, 2002)

**The U.S. Postal Service will install new fuel pumps in 22,500 E85 newly acquired delivery vehicles.** With assistance from the Ford Motor Company, a more robust fuel pump has been completed. Previously these vehicles were unable to operate on the E85 fuel due to the pump difficulties. (Source: National Ethanol Vehicle Coalition's *FYI Newsletter*, March 6, 2002)

**The 2003 Honda Civic Hybrid electric-gasoline engine has earned a city/highway fuel economy of 46/51 mpg.** To obtain the high fuel economy, the Civic Hybrid uses an Integrated Motor Assist technology that employs a 1.3 liter i-DSI 4-cylinder gasoline engine and an electric motor powered by a nickel metal hydride battery module. The battery is recharged by braking and deceleration. The electric-gasoline system generates 93 horsepower and 116 lbs-ft of torque with the electric motor. The Civic Hybrid is an Ultra Low Emission Vehicle. It is sold with a manufacturer's suggested retail price of \$19,500 for five-speed manual transmission and \$20,550 for continuously variable automatic transmission. (Source: Honda press release, March 20, 2002)

**Ford Motor Company will start selling a zero-emission Ford Focus in 2004.** The Ford Focus will be powered by a hybrid electric and hydrogen fuel cell. Ford is also developing a hybrid electric and gasoline powered version of the Ford Escape for release in 2003. (Source: *Greenwire*, March 21, 2002; *Associated Press*, March 21, 2002)

[Back to Table of Contents](#)

## ATLANTA REGION

*No news of interest to FEMP.*

[Back to Table of Contents](#)

## BOSTON REGION

### AFV Fleet Acquisitions

**New York state is awarding \$320,000 to NOCO Energy Corporation to develop and implement biodiesel fuel in the Buffalo-Niagara region.** The state is also providing \$62,000 to Niagara Frontier Transportation Authority (NFTA) to offset added costs for replacing conventional diesel fuel with biodiesel for 140 out of 330 buses for at least a year. New York State Energy Research and Development Authority is funding NOCO with \$170,000 for its research and development program to evaluate biofuels. (Source: *Environmental News Service*, March 18, 2002)

**The New York Power Authority has acquired zero-emission, extremely quiet, electric buses for use in Manhattan.** Chattanooga-based Advanced Vehicle Systems has made buses with ultra capacitors made by Maxwell Technologies of San Diego, California. The ultra capacitors will allow these buses to travel a long range before refueling. (Source: *CALSTART New Notes*, March 7, 2002)

[Back to Table of Contents](#)

## CHICAGO REGION

### Infrastructure Activities

**The Missouri Soybean Association hosts the opening of the state's first public biodiesel pump at the Concoco-Convenient Food Mart in Jefferson City, Missouri.** The station, owned by Jefferson City Oil Company, is offering a blend of 20 percent biodiesel and 80 percent diesel, called B20. Their consumer targets are the local farming community and government fleets. (Source: Missouri Soybean Association press release, March 4, 2002)

## New Products and Services

**Ford Motor Company is importing a fleet of European diesel cars to Detroit in order to improve diesel's image in the United States.** Currently less than one percent of North Americans drive diesel fueled cars. According to the company, diesel engines are more fuel efficient, and with improved technology are expected to be just as clean as the equivalent gasoline fueled engine by 2009. (Source: *Greenwire*, March 5, 2002; *The Detroit News*, March 5, 2002)

[Back to Table of Contents](#)

## DENVER REGION

### Infrastructure Activities

**The Bureau of Prisons has awarded a contract for \$328,181.00 to BGI Contractors of Beaumont, Texas, to construct a natural gas station.** The agency's South Central Regional Contracting Office in Dallas, Texas made the award. Contact Robert Flores at 214-224-3465 and refer to Contract Number J50211C027.

[Back to Table of Contents](#)

## PHILADELPHIA REGION

*No news of interest to FEMP.*

[Back to Table of Contents](#)

## SEATTLE REGION

### AFV Fleet Acquisitions

**Norcal Waste Systems has opened a new Bay Area liquefied natural gas fueling terminal and is converting 38 long-haul waste transport trucks to burn LNG.** The Bay Area Air Quality Management District provided \$2.2 million in grants to Norcal. Their trucks haul 2,200 tons of waste daily and are responsible for substantial diesel emissions. Currently 14 LNG trucks are in use. (Source: *CALSTART News Notes*, March 19, 2002)

**The Los Angeles County Metropolitan Transportation Authority has launched 40 compressed natural gas buses in San Gabriel Valley.** North American Bus Industries built the buses and will construct and deliver to San Gabriel Valley a total of 176 CNG buses by June 2002. Detroit Diesel made the engines, and Hanover Company of Broken Arrow, Oklahoma, constructed the fueling station and facilities. (Source: *CALSTART News Notes*, March 18, 2002)

**Production Resource Group, using Solectria Corporation electric drive components, has built a new wireless electric trolley in Los Angeles.** The trolley is powered by four Solectria AC90 motors with Solectria DMOC645 controllers and is recharged at stations during the day and in the station house at night. It seats 62 passengers at a maximum five miles per hour for the quarter-mile journey between the Farmers Market and the Grove. (Source: *CALSTART News Notes*, March 18, 2002)

## New Products and Services

**Toyota has begun selling its zero emission RAV4-EV with a day range of 80 to 100 miles in California.** More than 900 RAV4-EVs, the electric version of the popular RAV4, are in use nationwide, and currently 700 of those are in California. The RAV4-EV is powered by a maintenance-free permanent magnet motor which produces 50kW of power, equivalent to a 67-horsepower gasoline engine. The

suggested retail price is \$42,000, but after tax credits and incentives, the price is about \$30,000. (Source: Toyota press release, March 4, 2002)

[Back to Table of Contents](#)

## **ENERGY MANAGEMENT TOOLS AND TECHNOLOGY**

- See also [Attachment B](#), *New Technologies*.

### **SOFTWARE AND TECHNICAL ASSISTANCE TOOLS**

**Flour City International, Inc. (FCI) was recently awarded a patent for technology that allows for the wireless transfer of electricity generated by photovoltaic (PV) panels.** Currently, individual photovoltaic modules are connected by a network of wires to form larger arrays. FCI's technology may further the use of PV panels in the construction industry by lowering maintenance costs associated with wiring photovoltaic modules together. FCI is a designer, fabricator, installer, and provider of custom exterior wall systems. (Source: *Green Building News*, February, 2002)

[Back to Table of Contents](#)

## **MEETINGS, CONFERENCES, AND TRAINING WORKSHOPS**

- Refer to [Attachment C](#) – Calendar of Upcoming Events.

### **GENERAL ANNOUNCEMENTS**

**The U.S. Green Building Council (USGBC) recently invited more than 2,000 of its members to apply to participate in the pilot program of the USGBC's newly developed LEED™ for Existing Buildings (LEED-EB) rating.** The LEED-EB rating, a set of performance standards for the sustainable operation of existing buildings, covers whole-building cleaning and maintenance issues, ongoing indoor air quality, energy efficiency, water efficiency, recycling programs, exterior maintenance programs, and systems upgrades. The USGBC will identify 50 projects to participate in the pilot program to test the LEED-EB rating tool to "ensure it provides thorough goals for sustainable building operation while being a practical tool for real buildings." Participants will be selected based on contribution to the diversity of building types, regions, and owners; compatibility of upgrades or improvements with the pilot scope and timeline, opportunities to showcase LEED-EB, and USGBC membership status. "The objective of pilot testing LEED-EB is not only to make certain that this rating system is practical and workable in real buildings. It will also be an important tool for the market transformation to green operating practices in existing buildings and will further broaden the USGBC's definition of what a green building is," said Steven Winter, chair of the USGBC's Board of Directors. For more information on the pilot program, go to [www.usgbc.org](http://www.usgbc.org).

[Back to Table of Contents](#)

### **ATLANTA REGION**

**FEMP is sponsoring a Distributed Energy Resources Workshop in Atlanta, Georgia, on May 23-24.** This is the first in a series of four. Topics will include Combined Heat and Power, Microturbines, Industrial Gas Turbines, Reciprocating Engines, Fuel Cells, Energy Storage, and Renewables. For more information, go to [www.eren.doe.gov/femp/techassist/der\\_resources.html](http://www.eren.doe.gov/femp/techassist/der_resources.html).

[Back to Table of Contents](#)

## BOSTON REGION

**The Association of Energy Engineers is sponsoring a seminar, Fundamentals of Buying and Selling Energy, on July 24-25 in Boston, Massachusetts.** The three-day training course will cover obtaining energy, assessing a facility's energy use, evaluating supplier options, and reducing costs. For more information, go to [www.aeecenter.org](http://www.aeecenter.org).

[Back to Table of Contents](#)

## CHICAGO REGION

**The Center for Business Intelligence is sponsoring a conference, The Business Case for Cogeneration, on June 27-28 in Chicago, Illinois.** Topics will include Market Barriers to Combined Heat and Power, Technology Partnerships, Installation and Maintenance Issues, District Heating and Cooling, and more. For additional information, go to [www.cbinet.com](http://www.cbinet.com).

[Back to Table of Contents](#)

## DENVER REGION

**DOE and the National Ethanol Vehicle Coalition are holding two workshops on alternative fuels on April 9 in Salt Lake City, Utah.** The workshops will cover why Salt Lake City should use alternative fuels, the locations of new ethanol fueling sites, and Federal requirements. For more information, go to [www.e85fuel.com](http://www.e85fuel.com).

**The Center for Business Intelligence is sponsoring a conference, Diversify Your Generation Portfolio with Renewable Energy, on May 20-21 in Houston, Texas.** Topics will include case studies on GE Equity, Green Mountain Energy, AEP, Exelon, Excel Energy, and others. For more information, go to [www.cbinet.com](http://www.cbinet.com).

[Back to Table of Contents](#)

## PHILADELPHIA REGION

**The Strategic Research Institute is sponsoring a conference, Transmission: Operation and Planning, on April 4-5 in Washington, DC.** Topics will include Locational Market Pricing, Load Pockets, Standard Market Design, and Hybrid Congestion Management Models. For more information, go to [www.srinstitute.com/cr219](http://www.srinstitute.com/cr219).

**On April 10, DOE and EPA's Laboratories for the 21<sup>st</sup> Century program is sponsoring a course in Washington, DC, entitled High Performance, Low-Energy Design.** The main topic will be how to design and construct the next generation of laboratories to be energy efficient. For more information, go to [www.epa.gov/labs21century/training](http://www.epa.gov/labs21century/training).

**The Department of Energy is sponsoring a workshop, Fuel Cell Roadmap Workshop for Buildings and Stationary Applications, on April 10-11 in College Park, MD.** Fuel cell stakeholders will discuss detailed activities, timelines, required resources, and lead organizations for fuel cell RD&D. For more information, go to [www.eren.doe.gov/der](http://www.eren.doe.gov/der).

**The Association of Energy Engineers is sponsoring a seminar, Fundamentals of Buying and Selling Energy, on May 15-17 in Washington, DC.** The three-day training course will cover obtaining energy, assessing a facility's energy use, evaluating supplier options, and reducing costs. For more information, go to [www.aeecenter.org](http://www.aeecenter.org).



**DOE is sponsoring the Solar Decathlon Village, which will run from September 27 to October 5 on the National Mall in Washington, DC.** The centerpiece of the event is a competition among college students to design and build an energy-efficient household using only the sun's energy. In addition, FEMP will have an exhibit at the event. For more information, go to [www.eren.doe.gov/solar\\_decathlon](http://www.eren.doe.gov/solar_decathlon).

[Back to Table of Contents](#)

## SEATTLE REGION

**The Association of Energy Engineers is sponsoring a seminar, Fundamentals of Buying and Selling Energy, on June 3-5 in Anaheim, California.** The three-day training course will cover obtaining energy, assessing a facility's energy use, evaluating supplier options, and reducing costs. For more information, go to [www.aeecenter.org](http://www.aeecenter.org).

**On June 30-July 5, the International Academy of Indoor Air Sciences is sponsoring a conference, the Ninth International Conference on Indoor Air Quality and Climate, in Monterey, California.** Topics will include Sustainable Buildings, Ventilation and Energy, and other topics. For more information, go to [www.indoorair2002.org](http://www.indoorair2002.org).

[Back to Table of Contents](#)

# STUDIES, REPORTS, AND ANALYSES

## ENERGY AND WATER CONSERVATION

***Energy Savings Potential of Solid State Lighting in General Lighting Applications*, Office of Building Technology, State and Community Programs (BTS), April 2001.**

The BTS-sponsored study explains the opportunities to use solid state lighting instead of traditional white light sources to save electricity and reduce pollution. The report can be viewed at [www.eren.doe.gov/buildings/documents](http://www.eren.doe.gov/buildings/documents). An update is expected to be available soon on the BTS website.

***Powering the South: A Clean and Affordable Energy Plan for the Southern United States, the Renewable Energy Policy Project (REPP), March 2002***

This report is the result of over a year's effort by REPP and Southern advocacy groups to explore how the power generation mix of the South could be changed to reduce pollution and keep the price of electricity affordable. The report centers on Alabama, Florida, Georgia, North Carolina, South Carolina, and Tennessee, a region with some of the worst air pollution and health-related problems in the nation, and finds that Federal legislation, a clean power generation mix, the development of strong efficiency programs, and the increased use of renewable energy are necessary to ensure a clean energy future for the South. For a copy of the report, go to [www.poweringthesouth.org](http://www.poweringthesouth.org).

[Back to Table of Contents](#)



## ALTERNATIVE FUELS AND VEHICLES

### ***Green Book, American Council for an Energy Efficient Economy, February 2002.***

The Honda Insight tops the list of the “greenest” car of 2001, while the opposite end of the spectrum includes the Dodge Ram Pickup, Chevrolet Suburban, and GMC Yukon; to view the report go to [www.aceee.org](http://www.aceee.org).

[Back to Table of Contents](#)

## UTILITY-RELATED ISSUES

### ***Economic Assessment of RTO Policy, ICF Consulting, February 27, 2002.***

The Federal Energy Regulatory Commission (FERC) contracted with ICF Consulting to examine the potential economic cost and benefits of a move toward Regional Transmission Organizations. The study found that “once policy changes are fully in place the results suggest that \$1-10 billion per year in economic gains could result.” These gains do not include secondary economic impacts or employment gains. These gains are predicated on:

- 1) Effective and timely implementation of competitive electric power markets, and
- 2) Minimizing delays and excessive startup costs.

The report suggests that, while there will be a national net benefit from implementing RTO policy, economic effects will vary on a regional basis. Larger RTO’s will most likely impose greater financial benefits.

FERC representatives and ICF Consulting experts held four regional teleconferences with state commissioners and four regional teleconferences with industry and the public throughout the month of March to discuss the results of the study. For more information, visit [www.ferc.gov](http://www.ferc.gov).

[Back to Table of Contents](#)

# ATTACHMENT A

## HEARINGS SCHEDULE

### HOUSE – APPROPRIATIONS

Date/Committee	Chair	Hearing Title/Issues	Witnesses	Time/Location
<i>April 10</i> – Interior and Related Agencies	David Hobson (R/OH)	<b>Hearing</b> - FY 2003 budget estimates for the National Park Service	TBA	10:00 a.m. Room B-300 Rayburn Office Building
<i>April 17-</i> Subcommittee on Veterans' Affairs, Housing and Urban Development and Independent Agencies	James Walsh (R/NY)	<b>Hearing</b> – FY 2003 budget estimates for the National Aeronautics and Space Administration	TBA	9:30 a.m. and 1:30 p.m. Room 2359 Rayburn Office Building
<i>April 17</i> – Military Construction Agencies	David Hobson (R/OH)	<b><i>Oversight Hearing - Energy Research – Measuring Success</i></b>	TBA	10:00 a.m. Room B-300 Rayburn Office Building

### HOUSE – AUTHORIZATIONS/OVERSIGHT

*No hearings of interest to report.*

### SENATE – APPROPRIATIONS

*No hearings of interest to report.*

### SENATE – AUTHORIZATIONS/OVERSIGHT

*No hearings of interest to report.*

### CONFERENCE COMMITTEE NEGOTIATIONS/FLOOR VOTES

*No activity of interest to report.*

[Back to Table of Contents](#)

## ATTACHMENT B

### NEW TECHNOLOGIES

For informational purposes only. Listing does not imply endorsement.

Technology	Manufacturer	Manufacturers Claim	Contact
<b><i>Power Sources</i></b>			
<b>PowerWorks microturbines</b>	Ingersoll-Rand	A patented recuperator enables the microturbine to deliver electricity at an efficiency of up to 33% , the manufacturer claims.	<a href="http://205.147.212.185/">http://205.147.212.185/</a>
<b>Industrial generators</b>	MQ Power	Uses a direct injection diesel engine that meets EPA emissions standards for mobile off-highway equipment, according to the manufacturer.	<a href="http://www.mqpower.com">http://www.mqpower.com</a>
<b>Solar roof panels</b>	Thyssen Bausysteme	Compared with crystalline photovoltaic systems, product generates up to 20% more energy, according to the manufacturer.	<a href="http://www.thyssen-bausysteme.com/uk/produkte/index_4.html">http://www.thyssen-bausysteme.com/uk/produkte/index_4.html</a>
<b><i>Chillers</i></b>			
<b>LS-16V air compressor</b>	Sullair	Equipped with a variable speed drive that precisely matches system demand to provide significant energy savings, according to the manufacturer.	<a href="http://www.sullairsolutions.com/product/prod_LS-16.asp">http://www.sullairsolutions.com/product/prod_LS-16.asp</a>
<b><i>Lighting</i></b>			
<b>Ledalite Achieva</b>	Ledalite Architectural Products Incorporated	“Direct/indirect distribution for enhanced visibility and energy efficiency,” states the manufacturer.	<a href="http://www.ledalite.com/products/achieve/index.html">http://www.ledalite.com/products/achieve/index.html</a>
<b>ECO-10™ and Hi-Lume® electronic fluorescent dimming ballasts</b>	Lutron Electronics Company, Inc.	Uses high frequency electronics that conserve energy as they are dimmed, according to the manufacturer.	<a href="http://www.lutron.com/ballast/">http://www.lutron.com/ballast/</a>
<b>Series RAB362 LED</b>	LEDtronics	Average life span of over 100,000 hours; require 80-90 percent less power than equivalent incandescents, according to the manufacturer.	<a href="http://www.netdisty.net/ds/RAB362/">http://www.netdisty.net/ds/RAB362/</a>
<b>Metal Halide Track Heads</b>	W.A.C. Lighting	“Energy efficient source with twice the light output of halogen PAR lamps,” states the manufacturer.	<a href="http://www.waclighting.com">www.waclighting.com</a>
<b>Compact Fluorescent Wall Washer Track Heads</b>	W.A.C. Lighting	Uses as little as one-fifth of the power, lasts up to 13 times longer than incandescent, claims the	<a href="http://www.waclighting.com">www.waclighting.com</a>

Technology	Manufacturer	Manufacturers Claim	Contact
		manufacturer.	
<b>Under Cabinet Light</b>	Maxlite	Energy Star Qualified, according to the manufacturer.	<a href="http://www.maxlite.com/newprod.htm">http://www.maxlite.com/newprod.htm</a>
<b>T5 and T 10 Extended Life Florescent Lamps</b>	Maxlite	“Save energy 50-70% by replacing 4 cool white T12 lamps with two high lumen T5 or T10 lamps,” states the manufacturer.	<a href="http://www.maxlite.com/newprod.htm">http://www.maxlite.com/newprod.htm</a>
<b>LED/ CFL Exit Retrofit Lamps</b>	Maxlite	As much as 99% energy savings (LED), 75% (CFL), claims the manufacturer.	<a href="http://www.maxlite.com/newprod.htm">http://www.maxlite.com/newprod.htm</a>
<b>MICROMAX Compact Florescent Lamp</b>	Maxlite	Up to 75% energy savings; lasts up to 8,000 hours, according to the manufacturer.	<a href="http://www.maxlite.com/newprod.htm">http://www.maxlite.com/newprod.htm</a>
<b>HIGHMAX Energy Saving Lamps</b>	Maxlite	“Patented Air-Gap guarantees long life – lasts 10,000 hours; high lumens using less energy,” states the manufacturer.	<a href="http://www.maxlite.com/newprod.htm">http://www.maxlite.com/newprod.htm</a>
<b>MEGAMAX Electronic Energy Saving Lamp</b>	Maxlite	Up to 75% energy savings; lasts 30,000 hours (bulb 9,000 hours), says the manufacturer.	<a href="http://www.maxlite.com/newprod.htm">http://www.maxlite.com/newprod.htm</a>
<b>Heaters</b>			
<b>DR Series of steam and hot-water boilers</b>	Bryan Steam LLC	Uses a tube configuration which stimulates heat transfer and higher efficiency, says the manufacturer.	<a href="http://www.bryanboilers.com/products.cfm">http://www.bryanboilers.com/products.cfm</a>
<b>Series LC/LCE</b>	Peerless Heater Company	“Combustion efficiency exceeds the 83% ASHRAE 90.1 minimum as required by the federal standards for commercial boilers,” states the manufacturer.	<a href="http://www.peerless-heater.com/Commercial/series_lc.htm">http://www.peerless-heater.com/Commercial/series_lc.htm</a>
<b>Factory-installed energy recovery sections on its Vision(tm) air handlers</b>	McQuay International	“Recovers 50% more of the energy normally exhausted from a building,” states the manufacturer.	<a href="http://www.mcquay.com/eprise/main/mcquaycom/MQC_HomePage/HomePage">http://www.mcquay.com/eprise/main/mcquaycom/MQC_HomePage/HomePage</a>
<b>Fans</b>			
<b>Multi-Wind X Series fans</b>	Crowley Company, Inc.	“Twisted airfoil blade profile . . . to attain high air volume [and] low power consumption,” states the manufacturer.	<a href="http://www.multi-wing.com/idx_product.htm">http://www.multi-wing.com/idx_product.htm</a>
<b>8800 Star Series and 8800 Series airfoil high-efficiency centrifugal fans</b>	Acme Engineering & Manufacturing Corp.	“Maximum peak and operating efficiencies with minimum power requirements,” states the manufacturer.	<a href="http://www.acmefan.com/pdfs/Plenum.PDF">http://www.acmefan.com/pdfs/Plenum.PDF</a>

Technology	Manufacturer	Manufacturers Claim	Contact
<b><i>Energy Management</i></b>			
<b>Wireless transfer of electricity generated by photovoltaic (PV) panels</b>	Flour City International, Inc.	May further the use of PV panels in the construction industry by lowering maintenance costs associated with wiring photovoltaic modules together.	<a href="http://www.oikos.com/news/2002/02.html">http://www.oikos.com/news/2002/02.html</a>

[Back to Table of Contents](#)

# ATTACHMENT C

## MEETINGS, CONFERENCES, AND OTHER EVENTS

NOTE: New events are highlighted in **blue**.  
DOE-sponsored events are highlighted in **red**.

### ATLANTA REGION

DATE	EVENT	SPONSOR
May 6-7, 2002	American Public Power Association Utility Education Course: Demand Side Management: Energy Efficiency in a Competitive Electric Power Market Key West, FL	American Public Power Association
May 8-9, 2002	Southeast Green Power Summit Raleigh, NC	North Carolina Solar Center
<b>May 23-24, 2002</b>	<b>Distributed Energy Resources Workshop Atlanta, GA</b>	<b>FEMP</b>

### BOSTON REGION

DATE	EVENT	SPONSOR
June 2-4, 2002	EEI Annual Convention/Expo Boston, MA	Edison Electric Institute
<b>July 24-26, 2002</b>	<b>Fundamentals of Buying and Selling Energy Boston, MA</b>	<b>Association of Energy Engineers</b>

### CHICAGO REGION

DATE	EVENT	SPONSOR
<b>April 10-12, 2002</b>	<b>Fundamentals of Buying and Selling Energy Chicago, IL</b>	<b>Association of Energy Engineers</b>
<b>April 16-17, 2002</b>	<b>Federal Utility Partnership Working Group Omaha, NE</b>	<b>Federal Energy Management Project</b>
May 6-10, 2002	Comprehensive Five-Day Training Program for Energy Managers Chicago, IL	Association of Energy Engineers
May 9-11, 2002	National Conference on Building Commissioning Chicago, IL	Portland Energy Conservation, Inc.
June 23-25, 2002	95 <sup>th</sup> Annual Convention and Office Building Show Chicago, IL	Building Owners and Manufacturers Association

DATE	EVENT	SPONSOR
<b>June 27-28, 2002</b>	<b>The Business Case for Cogeneration Chicago, IL</b>	<b>Center for Business Intelligence</b>
July 22-25, 2002	FedFleet 2002 Kansas City, MO	Federal Fleet Policy Council and GSA

### DENVER REGION

DATE	EVENT	SPONSOR
<b>April 9, 2002</b>	<b>Two workshops on alternative fuels Salt Lake City, UT</b>	<b>DOE and National Ethanol Vehicle Association</b>
April 11, 2002	Oklahoma Wind Power: Emerging Opportunities Oklahoma City, OK	Oklahoma Wind Power Initiative
<b>May 12-15, 2002</b>	<b>Eighth National Clean Cities Conference and Exposition Oklahoma City, OK</b>	<b>Office of Transportation Technologies Department of Energy</b>
<b>May 20-21, 2002</b>	<b>Diversify Your Generation Portfolio with Renewable Energy Houston, TX</b>	<b>Center for Business Intelligence</b>
August 1-2, 2002	American Public Power Association Utility Education Course: Restructuring/Competition Update: Lessons Learned from California Snowmass/Aspen, CO	American Public Power Association

### PHILADELPHIA REGION

Date	Event	Sponsor
<b>April 4-5, 2002</b>	<b>Transmission: Operation and Planning Washington, DC</b>	<b>Strategic Research Institute</b>
<b>April 10, 2002</b>	<b>High Performance, Low-Energy Design Course Washington, DC</b>	<b>Laboratories for the 21<sup>st</sup> Century</b>
<b>April 10-11, 2002</b>	<b>Fuel Cell Roadmap Workshop for Buildings and Stationary Applications College Park, MD</b>	<b>Department of Energy</b>
April 15-19, 2002	Comprehensive Five-Day Training Program for Energy Managers Washington, DC	Association of Energy Engineers
April 22-23, 2002	Restructuring Transmission Operations Alexandria, VA	Center for Business Intelligence
April 22-25, 2002	North American Green Purchasing Conference Philadelphia, PA	The Center for a New American Dream and TerraChoice International



<b>Date</b>	<b>Event</b>	<b>Sponsor</b>
April 29-May 2, 2002	Worldwide Energy Conference: Fuel for Today's Forces Washington, DC	Defense Energy Support Center
<b>May 15-17, 2002</b>	<b>Fundamentals of Buying and Selling Energy Washington, DC</b>	<b>Association of Energy Engineers</b>
July 15-19, 2002	Comprehensive Five-Day Training Program for Energy Managers Valley Forge, PA	Association of Energy Engineers
<b>September 27-October 5, 2002</b>	<b>Solar Decathlon Village Washington, DC</b>	<b>Department of Energy</b>

### SEATTLE REGION

<b>DATE</b>	<b>EVENT</b>	<b>SPONSOR</b>
<b>June 2-5, 2002</b>	<b>Energy 2002 Palm Springs, CA</b>	<b>Federal Energy Management Project</b>
<b>June 3-5, 2002</b>	<b>Fundamentals of Buying and Selling Energy Anaheim, CA</b>	<b>Association of Energy Engineers</b>
June 6-7, 2002	West Coast Energy Management Congress Anaheim, CA	Association of Energy Engineers
June 15-20, 2002	Solar 2002 Reno, NV	American Solar Energy Society
June 17-21, 2002	Comprehensive Five-Day Training Program for Energy Managers San Francisco, CA	Association of Energy Engineers
June 22-26, 2002	2002 Annual Meeting Honolulu, HI	American Society of Heating, Refrigeration, and Air-Conditioning Engineers
<b>June 30-July 5, 2002</b>	<b>Ninth International Conference on Indoor Air Quality and Climate Monterey, CA</b>	<b>International Academy of Indoor Air Sciences</b>
August 18-23, 2002	Teaming for Efficiency Pacific Grove, CA	American Council for an Energy Efficient Economy

[Back to Table of Contents](#)